

CLAIMS

What is claimed is:

1. A method for maintaining data integrity in an image recording/reproducing apparatus, comprising:
 - 5 receiving a power off command;
 - stopping reproducing and recording in response to the power-off command; and
 - detecting and deleting error data when the reproducing and recording is stopped.
- 10 2. The method according to claim 1, further comprising:
 - shutting off a power supply when the error data is deleted and no power on command has been received before the error data has been detected.
- 15 3. The method according to claim 1, further comprising:
 - energizing the power supply when the error data has not been completely deleted and a power on command has been received.
- 20 4. The method according to claim 1, wherein the step of receiving a power off command comprises:
 - receiving a power off command from either a key input or a light receiving unit.
- 25 5. The method according to claim 1, wherein the step of stopping reproducing and recording comprises:
 - receiving a command issued by a main control unit to a data maintenance unit directing the data maintenance unit to stop reproducing and recording.

6. The method according to claim 1, wherein the step of detecting error data comprises:

receiving at an error detection unit a command issued by a main control unit;

5 operating the error detecting unit to detect error data, if any; and transmitting detected error data information to a main control unit.

7. The method according to claim 1, wherein the step of deleting error data comprises:

10 issuing a command from a main control unit to a data maintenance unit to delete error data;

deleting error data from a first storage device by direction of the data maintenance unit; and

15 transmitting current state of error data deletion information from the data maintenance unit to the main control unit.

8. The method according to claim 7, wherein the first storage device includes a hard disk drive.

20 9. The method according to claim 1, wherein the step of detecting error data comprises:

detecting error data if the data is in an unacceptable format.

10. The method according to claim 1, wherein the step of detecting error data comprises:

25 detecting error data if data information is missing with respect to the data.

11. The method according to claim 1, wherein the step of detecting error data comprises:

detecting error data if a folder contains no data.

12. An image recording/reproducing apparatus comprising:
 - a first storage device for reproducing data from a recording medium;
 - 5 a second storage device for recording the data reproduced by the first device;
 - a data maintenance unit for controlling the operation of the first and the second devices;
 - 10 an error data detecting unit for detecting an error data among the data recorded in the second storage device; and
 - a main control unit, which, upon receiving a power cut-off command, controls the data maintenance unit to stop the operation of the second storage device and delete the error data detected by the error data detecting unit.
- 15 13. The apparatus according to claim 12, wherein the first storage device includes a DVD-ROM.
14. The apparatus according to claim 12, wherein the second storage device includes a HDD.
- 20 15. The apparatus according to claim 12, further comprising:
 - at least one of a key input unit and a light receiving unit which can issue a power cut-off command.
- 25 16. The apparatus according to claim 12, further comprising:
 - a power supply unit for supplying a power to the first and the second devices;
- 30 17. The apparatus according to claim 12, further comprising:
 - a power control unit for controlling operation of the power supply unit;

18. The apparatus according to claim 12, wherein the first and second storage device reproduce and record data respectively according to a known storage format.

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19. The apparatus according to claim 18, where in the known format is the MPEG-2 format.

20. The apparatus according to claim 12, wherein the error data
10 detecting unit search data recorded in the recording space of the second storage device, and provides detected information to the main control unit.